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<!--StartFragment-->RESULT 2
US-10-360-522-54
; Sequence 54, Application US/10360522
; GENERAL INFORMATION:
; APPLICANT: Allefs, Josephus J.H.M.
; APPLICANT: Vossen v.d., Edwin A.G.
; TITLE OF INVENTION: NUCLEIC ACID ENCODING PRODUCT THAT PROVIDES PLANTS WITH
; TITLE OF INVENTION: FUNGAL RESISTANCE AND RELATED METHODS
; FILE REFERENCE: U 014413-9
; CURRENT APPLICATION NUMBER: US/10/360,522
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02075565.8
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: PCT/NL03/00091
; PRIOR FILING DATE: 2003-02-07
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 54
; LENGTH: 970
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: deduced
; OTHER INFORMATION: Rpi-blb protein sequence domain A, B and C
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(970)
US-10-360-522-54

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Query Match          99.8%; Score 5045; DB 33; Length 970;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 968; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

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Qy      1 MAEAFIQVLLDNLTSFLKGLVLLFGFQDEFQRLSSMFSTIQAVLEDAQEKLNNKPLEN 60
      |||
Db      1 MAEAFIQVLLDNLTSFLKGLVLLFGFQDEFQRLSSMFSTIQAVLEDAQEKLNNKPLEN 60

Qy      61 WLQKLNAAATYEVDDILDEYKTKATRFSSQSEYGRYHPKVIPFRHKVGRKMDQVMKKLKAIA 120
      |||
Db      61 WLQKLNAAATYEVDDILDEYKTKATRFSSQSEYGRYHPKVIPFRHKVGRKMDQVMKKLKAIA 120

Qy      121 EERKNFHLHEKIVERQAVRRETGSVLTEPQVYGRDKEKDEIVKILINNVSDAQHLSVLPI 180
      |||
Db      121 EERKNFHLHEKIVERQAVRRETGSVLTEPQVYGRDKEKDEIVKILINNVSDAQHLSVLPI 180

Qy      181 LGMGGLGKTTTLAQMVFNDQRVTEHFHFSKIWCVSEDFDEKRLIKAIVESIEGRPLLGE 240
      |||
Db      181 LGMGGLGKTTTLAQMVFNDQRVTEHFHFSKIWCVSEDFDEKRLIKAIVESIEGRPLLGE 240

Qy      241 LAPLQKKLQELLNGKRYLLVLDVWVEDQKQWANLRAVLKVGASGASVLTTRLEKVGSI 300
      |||
Db      241 LAPLQKKLQELLNGKRYLLVLDVWVEDQKQWANLRAVLKVGASGASVLTTRLEKVGSI 300

Qy      301 MGTLPQPYELSNLSQEDCWLLFMQRAFGHQEEINPNLVAIGKEIVKSGGVPLAAKTLGGI 360
      |||
Db      301 MGTLPQPYELSNLSQEDCWLLFMQRAFGHQEEINPNLVAIGKEIVKSGGVPLAAKTLGGI 360

Qy      361 LCFKREERAWEHVRDSPINWLPQDESSILPALRLSYHQPLDLKQCFAYCAVFPKDAKMK 420
      |||
Db      361 LCFKREERAWEHVRDSPINWLPQDESSILPALRLSYHQPLDLKQCFAYCAVFPKDAKME 420

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Qy	421	KEKLISLWMAHGFLLSKGNMELEDVGDEVWKELYLRSPFQIEVKDGKTYFKMHDLIHDL	480
Db	421	KEKLISLWMAHGFLLSKGNMELEDVGDEVWKELYLRSPFQIEVKDGKTYFKMHDLIHDL	480
Qy	481	ATSLFSANTSSSNIREINKHSYTHMMSIGFAEVVFFYTLPPLEKFI SLRVNLNGDSTFNK	540
Db	481	ATSLFSANTSSSNIREINKHSYTHMMSIGFAEVVFFYTLPPLEKFI SLRVNLNGDSTFNK	540
Qy	541	LPSSIGDLVHLRYLNLYGSGMRS LPKQLCKLQNLQTLDLQYCTKLCCLPKETS KLGSLRN	600
Db	541	LPSSIGDLVHLRYLNLYGSGMRS LPKQLCKLQNLQTLDLQYCTKLCCLPKETS KLGSLRN	600
Qy	601	LLLDGSQSLTCLMPFRIGSLTCLKTLGQFVVGRKKGYQLGELGNLNYGSIKISHLERVKN	660
Db	601	LLLDGSQSLTCLMPFRIGSLTCLKTLGQFVVGRKKGYQLGELGNLNYGSIKISHLERVKN	660
Qy	661	DMDAKEANLSAKGNLHSLSM\$WNNF\$GPHIYEESEVVKVLEALKPHSNLTSLKIYGFGRGIHL	720
Db	661	DKDAKEANLSAKGNLHSLSM\$WNNF\$GPHIYEESEVVKVLEALKPHSNLTSLKIYGFGRGIHL	720
Qy	721	PEWMNHSVLKNIVSILISNFRNC\$CLPPFGDLPCLESLELHWGSADVEYVEEVDIDVHSG	780
Db	721	PEWMNHSVLKNIVSILISNFRNC\$CLPPFGDLPCLESLELHWGSADVEYVEEVDIDVHSG	780
Qy	781	FPTRIRFP\$SLRKLDIWD\$GSLKGLL\$KEGEEQ\$FPVLEEMI\$HECPFLT\$SSNLRALTSR	840
Db	781	FPTRIRFP\$SLRKLDIWD\$GSLKGLL\$KEGEEQ\$FPVLEEMI\$HECPFLT\$SSNLRALTSR	840
Qy	841	ICYNKVAT\$FPEEM\$FKNLANLKYLTISRCNNL\$KELPT\$SLASNALK\$SLKIQLCCALES\$P	900
Db	841	ICYNKVAT\$FPEEM\$FKNLANLKYLTISRCNNL\$KELPT\$SLASNALK\$SLKIQLCCALES\$P	900
Qy	901	EEGLEGL\$SLTEL\$FVEHCNMLKCLPEGLQHLTTLTSLKIRGCPQLIKRCEKIGEDWHKI	960
Db	901	EEGLEGL\$SLTEL\$FVEHCNMLKCLPEGLQHLTTLTSLKIRGCPQLIKRCEKIGEDWHKI	960
Qy	961	SHIPNVNIYI	970
Db	961	SHIPNVNIYI	970

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